

Magnet

Countersunk

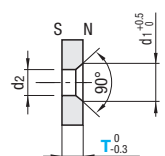
⚠️ Powerful magnets. May crack when pulled and struck by other magnetic substances. Please handle with care in unpacking.

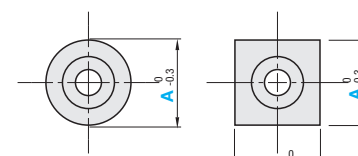
Countersunk

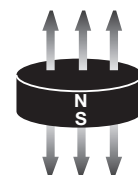


RoHS10

Type		Material	Heat Resistant Temperature	Surface Treatment
Round	Square			
NHXCC	NHXCS	Neodymium Magnet	80°C	Nickel Plating
NHXCCH	NHXCSH	Heat-resistant Neodymium Magnets	150°C	

(Round Type)


(Square Type)


Magnetization Direction: Y-direction


A Accessory: Flat Head Screw 1 pc. (EN 1.4301 Equiv.)

Part Number		T	d1	d2	Accessory:	Attraction Force N {kgf}				Surface Magnetic Flux Density Gauss [G]		Unit Price			
Type	A					NHXCC NHXCCH	NHXCS NHXCCH	NHXCC NHXCCH	NHXCS NHXCCH			NHXCC	NHXCC	NHXCS	NHXCSH
(Round Type) NHXCC NHXCCH	8	2	5.5	3.0	M2.5-6	7.8 {0.8}	10.8 {1.1}	2000~2500	3000~3400						-
		3				10.8 {1.1}	16.6 {1.7}	2400~2800	3200~3600						-
	10	3	6.5	3.5	M3-8	14.7 {1.5}	22.5 {2.3}	3500~4000	3000~3300						-
		4				18.6 {1.9}	24.5 {2.5}	4000~4200	3800~4000						-
(Square Type) NHXCS NHXCCH	12	4	6.5	3.5	M3-8	18.6 {1.9}	-	3600~4000	-			-	-	-	-
		4.5				23.5 {2.4}	27.4 {2.8}	4100~4300	3900~4100						-
	15	3	9	4.8	M4-10	23.5 {2.4}	-	3800~4200	-			-	-	-	-
		5				41.1 {4.2}	54.8 {5.6}	4200~4500	4000~4300						-
	20	4	11	5.8	M5-12	49 {5.0}	-	3800~4100	-			-	-	-	-
		5.5				54.8 {5.6}	78.4 {8.0}	4200~4400	4000~4200						-
	25	4	13	7.0	M6-15	58.8 {6.0}	-	3700~4100	-			-	-	-	-
		6				78.4 {8.0}	98.0 {10.0}	4100~4400	3900~4300						-

⚠️ Attraction Force and Surface Flux Density are reference values for magnets alone.

Ordering Example

Part Number - T

NHXCC8 - 3

Installation Precautions

- Place a magnet on flat surface. (Illustration B)
- Please make sure that there is no misalignment between magnet holes and tapped holes. (Illustration C)
- Please make sure that there is no dust before installing flat head screws. (Illustration D)

A
Dusts are not attached.
Flat Surface
Position of tapped hole is precise.

B
Surface is uneven.

C
Position of tapped hole is misaligned.

D
Dusts are attached.

Tightening Torque (Reference Value)

Magnets - Countersunk		
Tightening Torque (Value for Reference)		
A Dimension of Magnet	Included Flat Head Screw	N · m
8	M2.5-6	0.2
10	M3-8	0.6
12	M3-8	0.6
15	M4-10	1.4
20	M5-12	2.9
25	M6-15	5.0

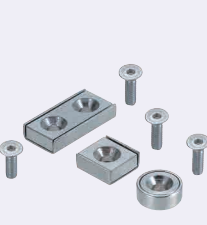
- ⚠️ Tightening beyond the specified torques may cause magnet breakage.
- ⚠️ We revised the safety factor and modified the reference value from the 2014 Catalog.

Magnet

Countersunk with Holder / Oval Holder

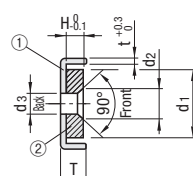
⚠️ The holders are used in a combination to protect the magnet.

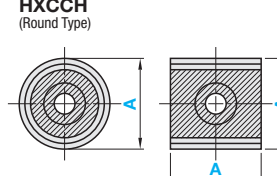
Countersunk with Holder

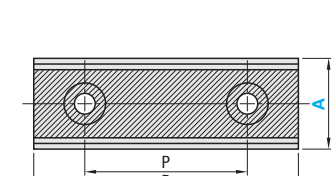


RoHS10

Type			①		②		Heat Resistant Temperature	Polarity	
Round	Square	Rectangle	Material	Surface Treatment	Material	Surface Treatment		Front	Back
HXCC	HXCS	HXCR	EN 1.0038 Equiv.	Nickel Plating	Neodymium Magnet	Nickel Plating	80°C	N	S
HXCC-S	-	-	-	-	Heat-resistant Neodymium Magnet	-	150°C	N	S
HXCCH	-	-	-	-	-	-	-	-	-

HXCC
HXCC-S
HXCCH
(Round Type)


HXCS
(Square Type)


HXCR
(Rectangle Type)


⚠️ Handle with care since these materials are very brittle. For Tightening Torque (Value for Reference), refer to P.291.

Part Number		T	d1	H	d2	d3	t	B	P	Accessory (Stainless Steel Flat Head Screw)		Attraction Force N{kgf}				Surface Magnetic Flux Density Gauss [G]		Unit Price				
Type	A									HXCC-HXCC-SHXCC-HXCS	HXCR	HXCCHXCC-SHXCCCH	HXCS	HXCR				HXCC	HXCC-S	HXCCH	HXCS	HXCR
(Round Type) HXCC HXCC-S HXCCH	8	4	6.4	3.2	5.5	3	0.6	15	8	M2.5-8x1 pc.	M2.5-8x2 pcs.	3.9 {0.4}	7.8 {0.8}	17.6 {1.8}	1200~3900			-	-	-	-	-
	10	5	8	4	6.5	3.5	0.8	20	10	M3-10x1 pc.	M3-10x2 pcs.	5.8 {0.6}	19.6 {2.0}	39.2 {4.0}	1500~4000							
	12	6	9.6	4.8	6.5	3.5	1.0	25	12	M3-10x1 pc.	M3-10x2 pcs.	15.7 {1.6}	29.4 {3.0}	68.6 {7.0}	3200~4000							
(Square Type) HXCS	15	6	12.6	4.8	9	4.8	1.0	30	15	M4-12x1 pc.	M4-12x2 pcs.	24.5 {2.5}	49.0 {5.0}	98.1 {10.0}	3800~4000							
	20	7	17.2	5.6	11	5.8	1.2	40	20	M5-15x1 pc.	M5-15x2 pcs.	58.8 {6.0}	127.5 {13.0}	230.5 {23.5}	3800~4000							
(Rectangle Type) HXCR	25	8	21.2	6.2	13	7.0	1.6	50	30	M6-16x1 pc.	M6-16x2 pcs.	152.0 {15.5}	181.4 {18.5}	294.2 {30.0}	3700~4000							

⚠️ Attraction force and surface magnetic flux density are for reference only.
⚠️ Due to the nature of the product, there may be some fragments, but this has no effect on the magnetism.

Ordering Example

Part Number

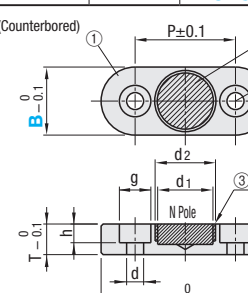
HXCC10

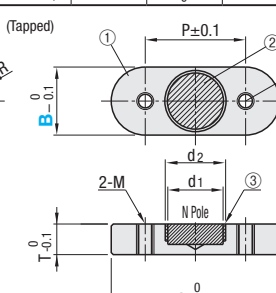
Oval Holder

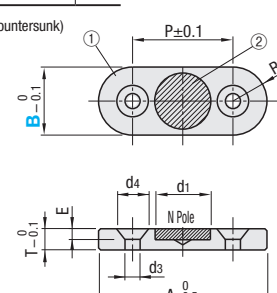


RoHS10

Type			①		②		③		Heat Resistant Temperature
Counterbored	Tapped	Countersunk	Material	Surface Treatment	Material	Surface Treatment	Material		
HXUKZ	HXUKM	-	Sintered Iron	Electroless Nickel Plating	Samarium-Cobalt Magnet	-	Brass	80°C	
HXUKZN	HXUKMN	-	-	-	Neodymium Magnet	Nickel Plating	EN CW614N Equiv.	-	
-	-	HXUKSN	EN 1.0038 Equiv.	-	-	-	-	-	

(Counterbored)


(Tapped)


(Countersunk)


Part Number		A	P	T	R	Counterbored			Tapped	Attraction Force N{kgf}			d1	d2	Surface Magnetic Flux Density Gauss [G]		Unit Price			
Type	B					g	d	h	M (Coarse)	HXUKZ, HXUKM	HXUKZN, HXUKMN	HXUKZ, HXUKM			HXUKZN, HXUKMN	HXUKZ, HXUKM	HXUKZN, HXUKMN	HXUKZ, HXUKM	HXUKZN, HXUKMN	
(Counterbored) HXUKZ HXUKZN	10	27	17	7	5	8	4.5	4.5	M4	8.8 [0.9]	13.7 [1.4]	7	8	2700~2900	3600~3900					
	13	33	20		6.5						19.6 [2.0]	30.4 [3.1]	9.5	11	2800~3100	3800~4200				
(Tapped) HXUKM HXUKMN	16	41	25	8		9.5	5.5	5.5	M5	38.2 [3.9]	63.7 [6.5]	12.5	14	2900~3300						
	20	50	30		10						60.8 [6.2]	114.7 [11.7]	16.5	18	2900~3400	4000~4400				

Part Number		A	P	T	R	E	d1	d3	d4	Accessory (Stainless Steel Flat Head Screw)	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	Unit Price
Type	B												
(Countersunk) HXUKSN	10	25	15	3	5	1.5	7	3.5	6.5	M3-6x2 pcs.	13.7 {1.4}	2700~2900	
	13	30	20		6.5		9.5				29.4 {3.0}	2800~3100	

⚠️ Attraction force and surface magnetic flux density are for reference only.

Ordering Example

Part Number

HXUKZ10